Title (en)

Medical/surgical waste collection portable rover capable of zero setting the float used to measure the volume of liquid in the rover waste container

Title (de)

Sammelsystem für medizinische/chirurgische Abfälle mit tragbarem Wagen mit Funktion zur Nulleinstellung des Schwimmers zum Messen des Flüssigkeitsvolumens im Abfallbehälter des Wagens

Title (fr)

Finisseur portable de collecte des déchets médicaux/chirurgicaux capable de régler sur zéro la flotte utilisée pour mesurer le volume de liquide dans le récipient de déchets du finisseur

Publication

**EP 2359879 A2 20110824 (EN)**

Application

**EP 11002753 A 20061213**

Priority

- EP 06847601 A 20061213
- US 75086205 P 20051214

Abstract (en)

A medical/surgical waste collection rover is described. The rover comprises a portable cart; a first waste container mounted to the cart, the first waste container having a connecting member for receiving a suction line through which medical/surgical waste is drawn into the first waste container; a vacuum source adapted to provide a vacuum to the first waste container to draw the waste through the suction line attached to the first waste container into the first waste container; a second waste container mounted to the cart; and a transfer valve disposed between the waste containers and operable between open and closed positions for allowing the transfer of waste material from the first waste container to the second waste container. The rover further comprises a fluid measuring system including: a float element in the first waste container that is configured to float on a liquid contained in the container; a reservoir mounted to the cart for storing one of water and a water-detergent mixture, said reservoir being selectively connected to said first waste container; and a controller mounted to the cart and configured to, after transfer of waste from the first waste container to the second waste container, cause water or the water-detergent mixture in said reservoir to prefill the first waste container so that said float element is subjected to an initial lifting from a bottom of the container to a zero point level; wherein the fluid measuring system is configured to determine the volume of liquid in the first waste container based on a distance of said float element from the zero point level.

IPC 8 full level

**A61M 1/00** (2006.01); **F24F 8/108** (2021.01); **F24F 8/158** (2021.01)

CPC (source: CN EP KR US)

**A61M 1/60** (2021.05 - CN EP KR US); **A61M 1/63** (2021.05 - CN EP US); **A61M 1/631** (2021.05 - CN EP US); **A61M 1/71** (2021.05 - CN EP KR US); **A61M 1/72** (2021.05 - EP); **A61M 1/732** (2021.05 - CN EP US); **A61M 1/74** (2021.05 - CN EP KR US); **A61M 1/742** (2021.05 - CN EP US); **A61M 1/743** (2021.05 - CN EP US); **A61M 1/77** (2021.05 - CN EP KR US); **A61M 1/78** (2021.05 - CN EP US); **A61M 1/782** (2021.05 - CN EP KR US); **A61M 1/784** (2021.05 - CN EP KR US); **A61M 1/79** (2021.05 - CN EP KR US); **A61M 3/0201** (2021.05 - EP); **B01D 46/0036** (2013.01 - CN US); **B01D 46/442** (2013.01 - CN US); **B01D 53/02** (2013.01 - KR); **B01D 53/025** (2013.01 - KR); **B01D 53/30** (2013.01 - KR); **F24F 8/108** (2021.01 - CN EP KR US); **F24F 8/158** (2021.01 - CN EP KR US); A61B 2218/006 (2013.01 - CN EP US); A61M 1/73 (2021.05 - CN EP KR US); A61M 5/1415 (2013.01 - EP US); A61M 2205/125 (2013.01 - CN EP US); A61M 2205/3331 (2013.01 - CN EP US); A61M 2205/3355 (2013.01 - CN EP US); A61M 2205/35 (2013.01 - EP); A61M 2205/52 (2013.01 - CN EP US); A61M 2205/584 (2013.01 - EP US); A61M 2205/587 (2013.01 - EP US); A61M 2205/707 (2013.01 - CN EP US); A61M 2205/7545 (2013.01 - CN EP US); A61M 2205/7563 (2013.01 - CN EP US); A61M 2209/082 (2013.01 - CN EP US); A61M 2209/084 (2013.01 - CN EP US); A61M 2209/086 (2013.01 - CN EP US); Y10T 137/3109 (2015.04 - EP US)

Citation (applicant)

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**US 2007135779 A1 20070614**; **US 7621898 B2 20091124**; AU 2006326508 A1 20070621; AU 2006326508 B2 20121101; CA 2633082 A1 20070621; CA 2633082 C 20150203; CA 2867838 A1 20070621; CA 2867838 C 20160802; CA 2930748 A1 20070621; CA 2930748 C 20171205; CN 101370534 A 20090218; CN 101370534 B 20120307; CN 102512716 A 20120627; CN 102512716 B 20160113; CN 105497994 A 20160420; CN 105497994 B 20180828; DK 1960014 T3 20170109; EP 1960014 A2 20080827; EP 1960014 B1 20161005; EP 2359878 A2 20110824; EP 2359878 A3 20120328; EP 2359879 A2 20110824; EP 2359879 A3 20120328; EP 2359879 B1 20170125; EP 2364736 A2 20110914; EP 2364736 A3 20120328; EP 2364736 B1 20170301; EP 3192538 A1 20170719; EP 3192538 B1 20200318; EP 3666302 A1 20200617; EP 3666302 B1 20220302; EP 4005610 A1 20220601; ES 2609391 T3 20170420; ES 2622229 T3 20170706; ES 2625677 T3 20170720; ES 2784705 T3 20200930; JP 2009519757 A 20090521; JP 2012166046 A 20120906; JP 2014131760 A 20140717; JP 2015186630 A 20151029; JP 2017051625 A 20170316; JP 5613718 B2 20141029; JP 6060218 B2 20170111; JP 6208838 B2 20171004; KR 101387814 B1 20140425; KR 101430893 B1 20140818; KR 20080087118 A 20080930; KR 20130122024 A 20131106; KR 20140036029 A 20140324; PL 1960014 T3 20170831; US 10343102 B2 20190709; US 11130089 B2 20210928; US 2010049152 A1 20100225; US 2014338529 A1 20141120; US 2018221804 A1 20180809; US 2019070550 A1 20190307; US 2021379525 A1 20211209; US 8740866 B2 20140603; WO 2007070570 A2 20070621; WO 2007070570 A3 20071004

DOCDB simple family (application)

**US 61007106 A 20061213**; AU 2006326508 A 20061213; CA 2633082 A 20061213; CA 2867838 A 20061213; CA 2930748 A 20061213; CN 200680052742 A 20061213; CN 201110424338 A 20061213; CN 201510811253 A 20061213; DK 06847601 T 20061213; EP 06847601 A 20061213; EP 11002751 A 20061213; EP 11002752 A 20061213; EP 11002753 A 20061213; EP 17000305 A 20061213; EP 20154753 A 20061213; EP 21218074 A 20061213; ES 06847601 T 20061213; ES 11002752 T 20061213; ES 11002753 T 20061213; ES 17000305 T 20061213; JP 2008545767 A 20061213; JP 2012106036 A 20120507; JP 2014039461 A 20140228; JP 2015129621 A 20150629; JP 2016205014 A 20161019; KR 20087017121 A 20061213; KR 20137027227 A 20061213; KR 20147003821 A 20061213; PL 06847601 T 20061213; US 2006047531 W 20061213; US 201414288503 A 20140528; US 201815874178 A 20180118; US 201816178931 A 20181102; US 202117411517 A 20210825; US 60904109 A 20091030